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## REPORT

17 June 1955

REQUIREMENT NO.

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## REFERENCES

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This is UNEVALUATED Information

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. Building has not yet started at VEB Rosslauer Schiffswerft, Rosslau, on the hydrofoil which is known as a Tragflächenboot or TF Boot. No code name has been assigned. Only one boat is to be made, and it will be used purely for research. It will have no instruments for navigation or communication and no armament. Lack of funds has held up production, and it is unlikely that building will begin for at least 3 months.
2. The craft will be tested at Rechlin or Plauersee. It will be unfit for use in a seaway.
3. The 500 hp engine is Diesel and is of Russian design, probably called the G6. The cylinders are arranged in a V with an unusually small angle between each bank. There is one screw and one rudder.
4. The gear box has a stern gear, a maneuvering gear, and a direct drive which will be used when the craft is up on its hydrofoils.
5. The KVP is paying for the craft. If it is successful it may be taken over by the Russians.
6. The TF boat is about 10 m. long, and the hydrofoil projects about 1.2 m. below the hull.
7. The press cylinder (Presszylinder) is used for moving the hydrofoils in a fore and aft plane about a pivot at their base in the hull. The coxswain controls the Presszylinder by the hand pump.

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8. It is probable that depth charges can be carried instead of torpedoes by the Forelle boats and would be stowed in the same position.

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC									
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(Note: Washington distribution indicated by "X"; Field distribution by "#").

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9. The first craft will not now be completed until about July 1955; the propellers have not yet arrived.
10. Although the Forelle is twin-screwed, it has only one rudder.
11. The Forelle will have accommodation for 10 enlisted men, an engineer, and a captain.

General Production at Rosslau

12. One 1955 plan is for:
  - 26 refrigerator ships
  - 2 ice breakers
  - 2 dredgers
  - 2 Forelle boats

It is unlikely that the yard will be able to complete this program.

13. German crews do not travel in the refrigerator ships beyond Wismar.

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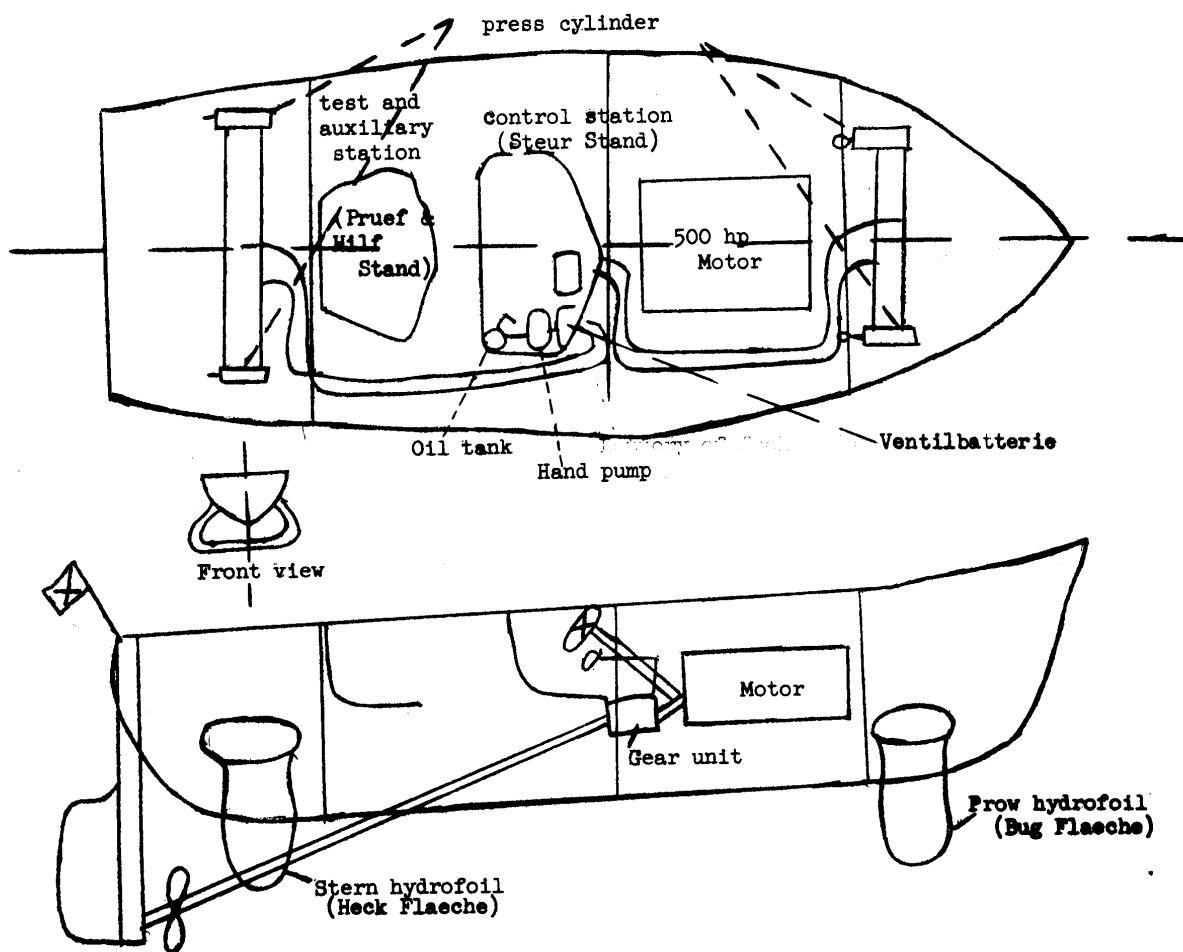
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Rough Sketch of the Hydrofoil Craft (Tragflächenboot - TF- Boot)



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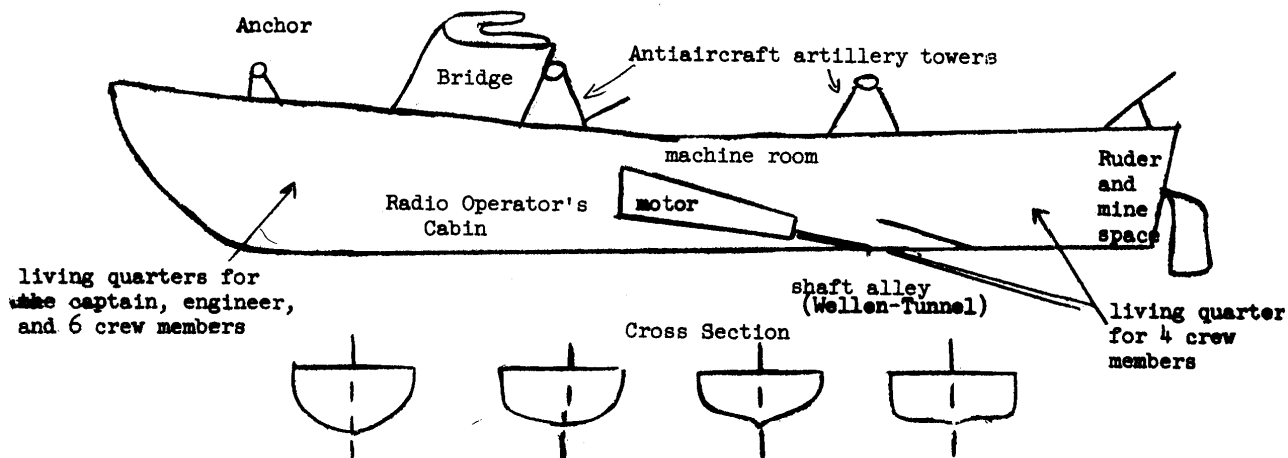
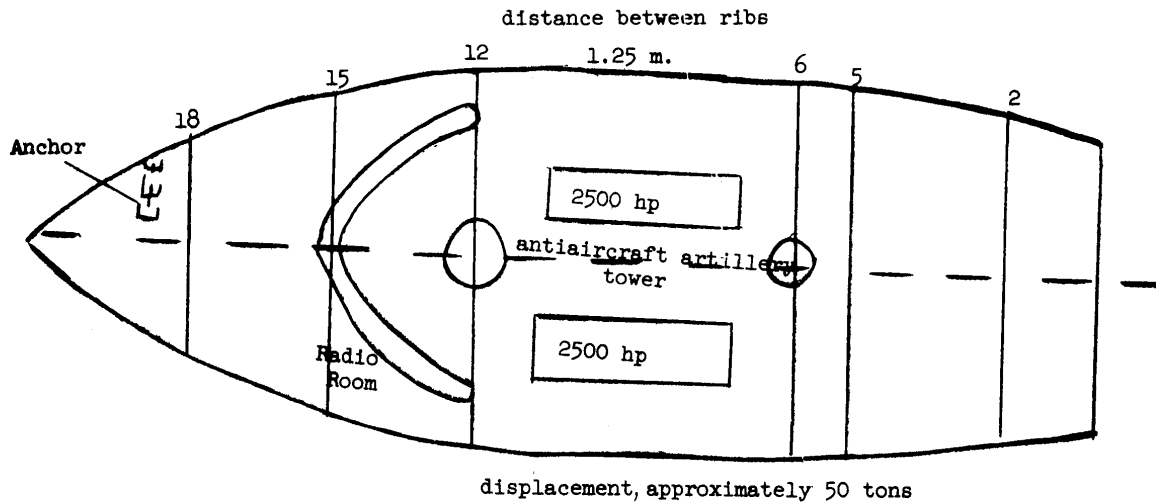
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Rough Sketch of the Forelle-Type Boat



The space between ribs 12 - 18 is used for forward living quarters. It is divided into rooms for the captain, engineer, radio operator, and six crew members

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